

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number
WO 2005/058800 A1

(51) International Patent Classification⁷: **C07C 239/12**,
239/20, A61K 31/13, A61P 25/00

(74) Agents: **MINOJA, Fabrizio** et al.; Bianchetti Bracco Mi-
noja S.r.l., Via Plinio, 63, I-20129 Milano (IT).

(21) International Application Number:
PCT/EP2004/014077

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(22) International Filing Date:
10 December 2004 (10.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03028441.8 11 December 2003 (11.12.2003) EP

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicants (*for all designated States except US*):
NEWRON PHARMACEUTICALS S.P.A. [IT/IT]; Via
L. Ariosto, 21, I-20091 Bresso (IT). **VICURON PHAR-**
MACEUTICALS INC. [US/US]; 1209 Orange Street,
Wilmington, DE (US).

(72) Inventors; and

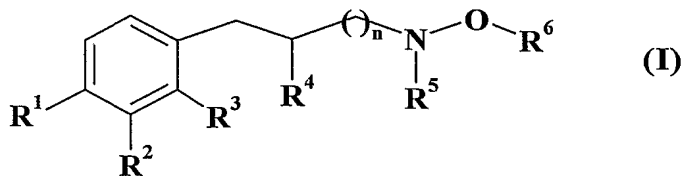
(75) Inventors/Applicants (*for US only*): **CACCIA, Carla**
[IT/IT]; Via Rogorazzo, 29d, I-21010 Cardano Al Campo
(IT). **GIROLA, Laura** [IT/IT]; Via Verdi, 4, I-21040
Gerenzano (IT). **KALTOFEN, Petra, Karin** [IT/IT]; Via
Lanino, b4, I-20144 Milano (IT). **LOSI, Daniele** [IT/IT];
Via Carso, 28b, I-22069 Rovellasca (IT). **SALVATI,**
Patricia [IT/IT]; Via Valera, 16/C, I-20020 Arese (IT).
SELVA, Enrico [IT/IT]; Via Di Vittorio, 23, I-27027
Gropello Cairoli (IT). **THALER, Florian** [IT/IT]; Via Val
di Nova, 31, I-39012 Merano (IT).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: HYDROXYLAMINE DERIVATIVES



(57) Abstract: This invention is related to hydroxylamino derivatives of the general formula (I) wherein n is 0, 1 or 2; R¹ and R², independently of each other, are H, OH or OCH₃; R³ is H or CH₃; R⁴ is H, C₁-C₃ straight or branched alkyl or, together with R³, forms a five to seven-membered carbocyclic ring; and R⁵ and R⁶, independently of each other, are H or C₁-C₅ straight or branched alkyl and the pharmaceutically acceptable salts

or prodrug thereof, for the preparation of medicaments useful for the prevention, treatment and diagnosis of CNS degenerative disorders related to protein misfolding and/or misaggregation. The invention also relates to novel compounds included in formula (I), to a method for preparing said compounds and to pharmaceutical compositions containing them.



WO 2005/058800 A1